

Fig. 5A

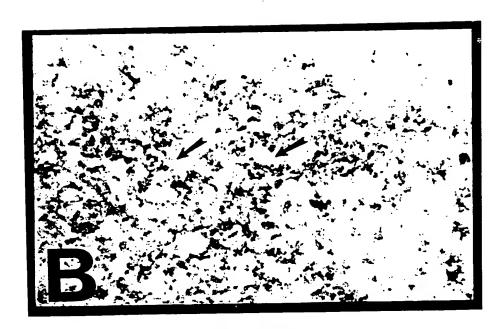


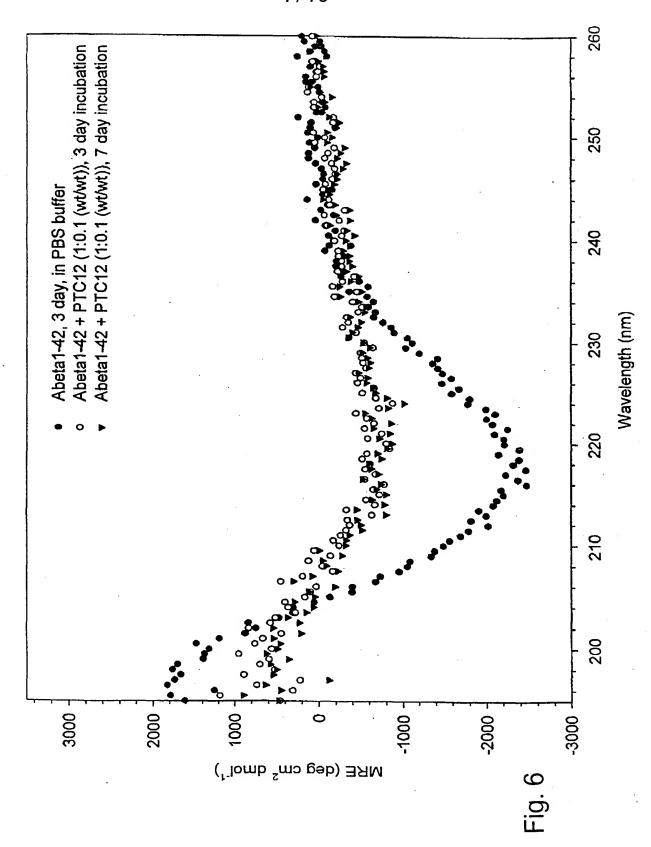
Fig. 5B



Fig. 5C



Fig. 5D



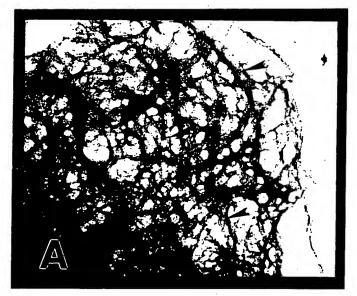


Fig. 7A

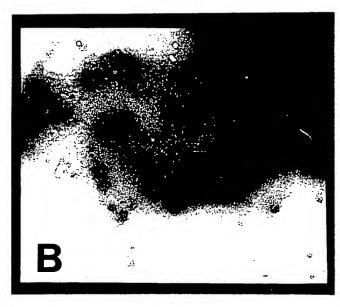


Fig. 7B

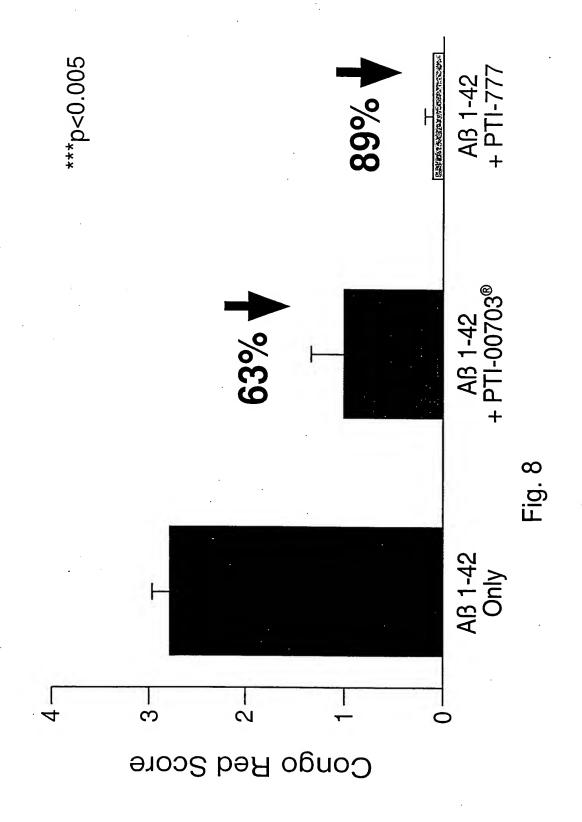




Fig. 9A

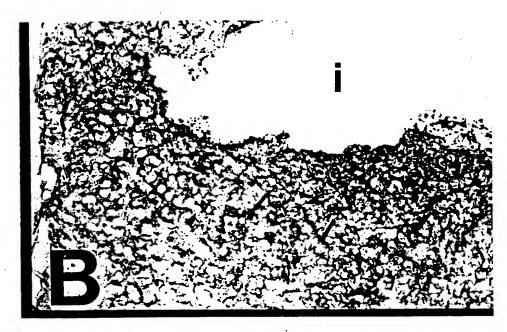


Fig. 9B

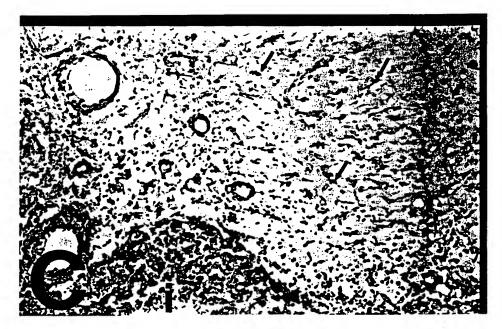
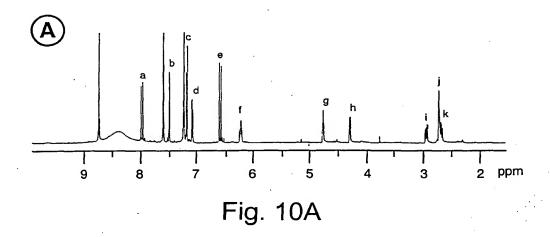


Fig. 9C



Fig. 9D



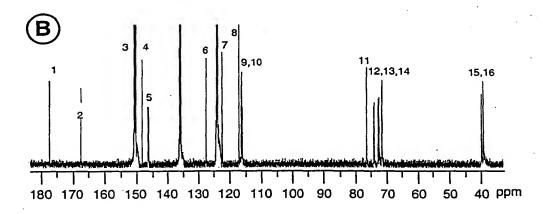
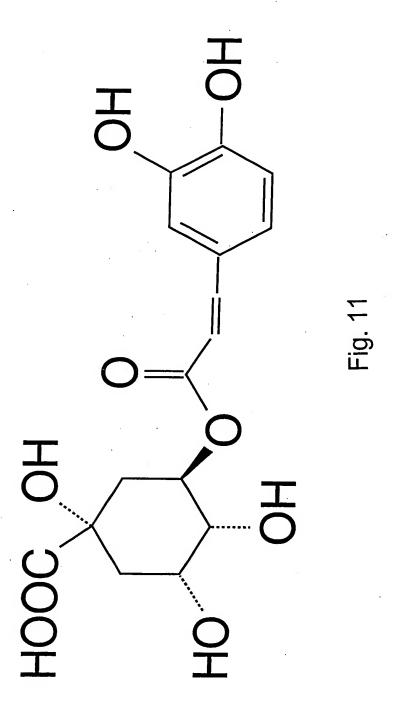
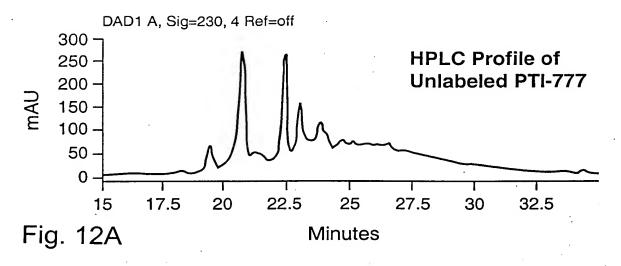
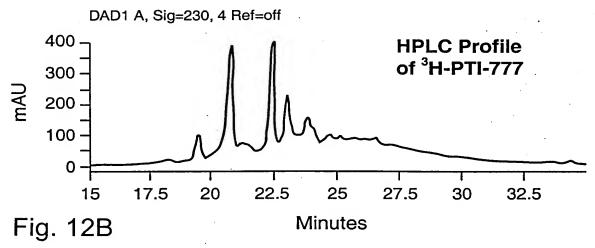


Fig.10B







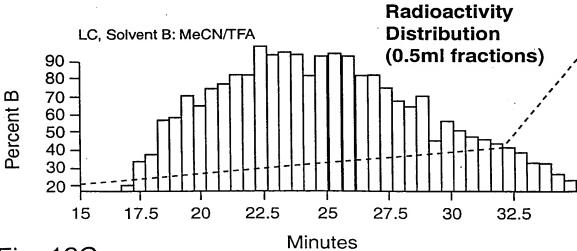
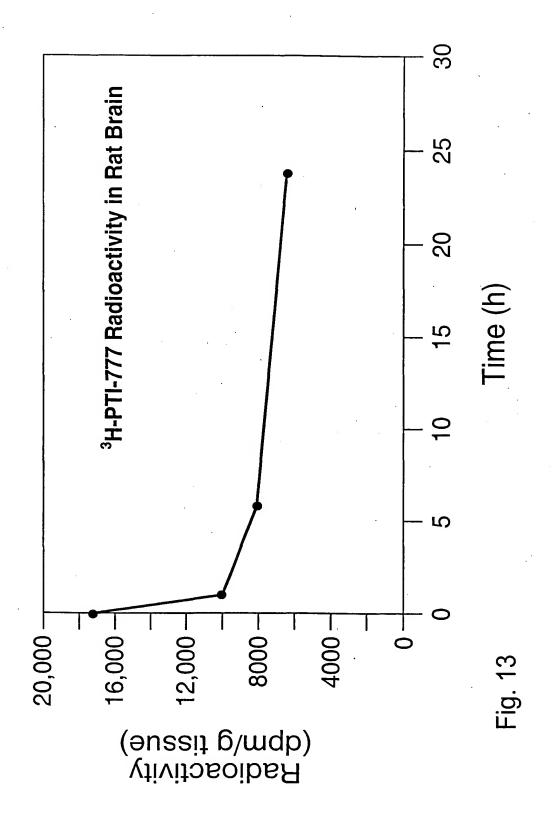


Fig. 12C



Jaguar Summed Mass Spectrum Report

File Name: Method Name:

Sample ID: Instrument: G:__41.dat

JAGUAR

Time Run:

11/13/00 11:01:40 AM Report Created: 11/13/00 11:03:26 AM

Operator:

Ionization Mode: ESI - positive ions

Spec # Range: 2706 - 2778

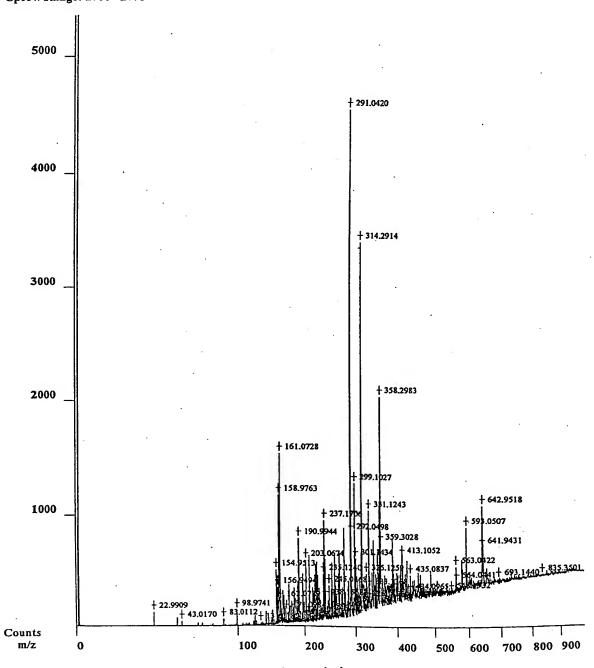
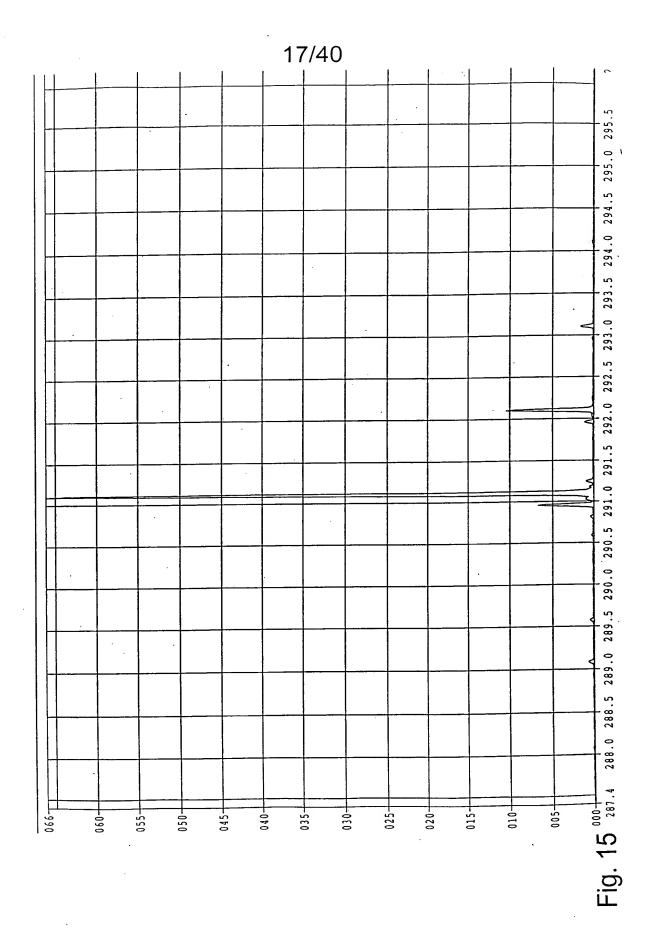


Fig. 14



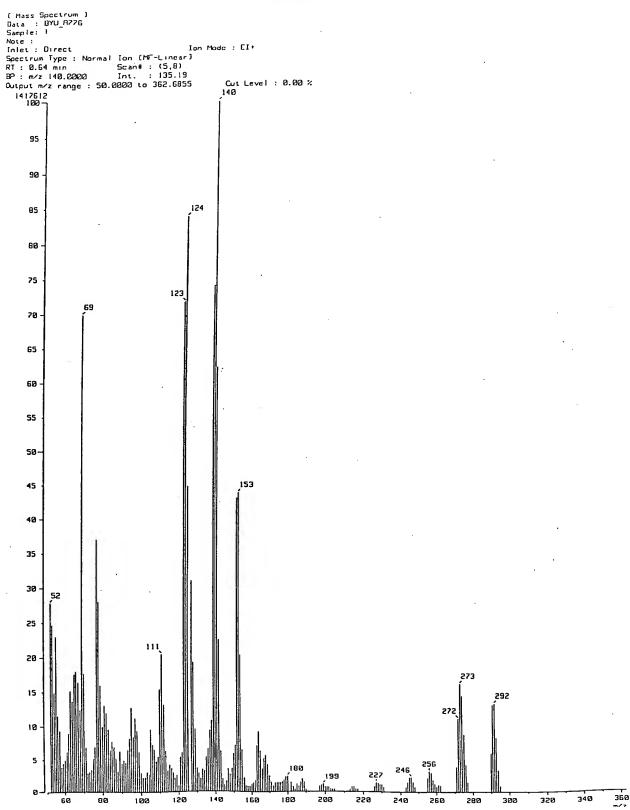


Fig. 16

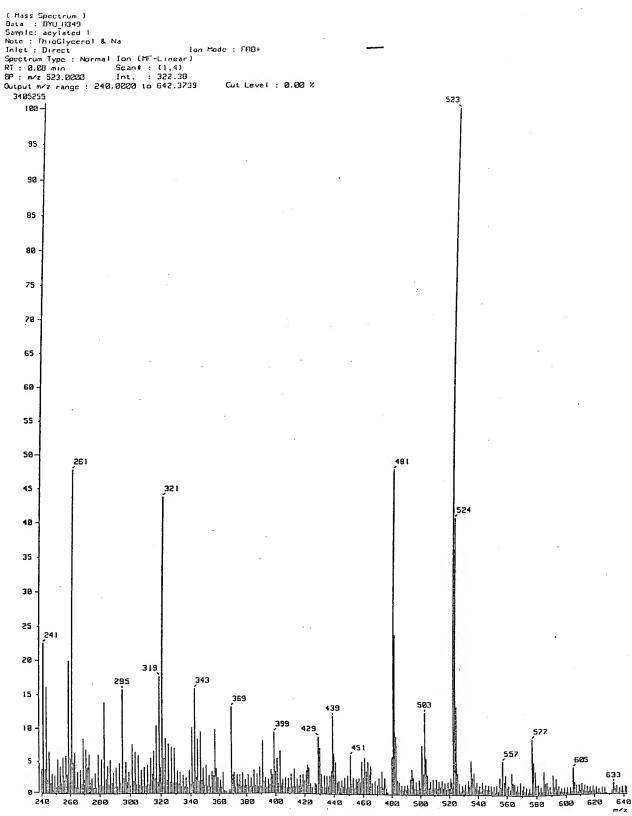


Fig. 17

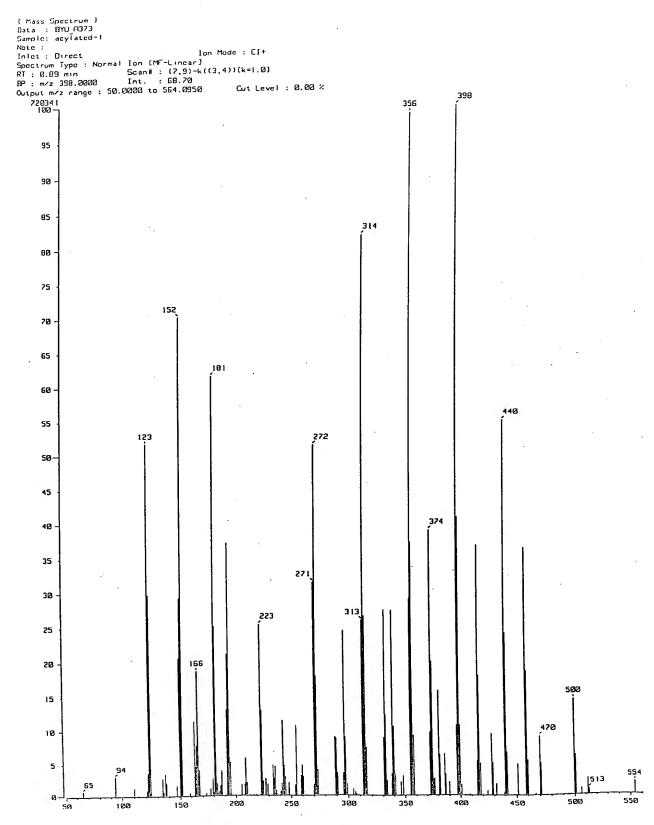
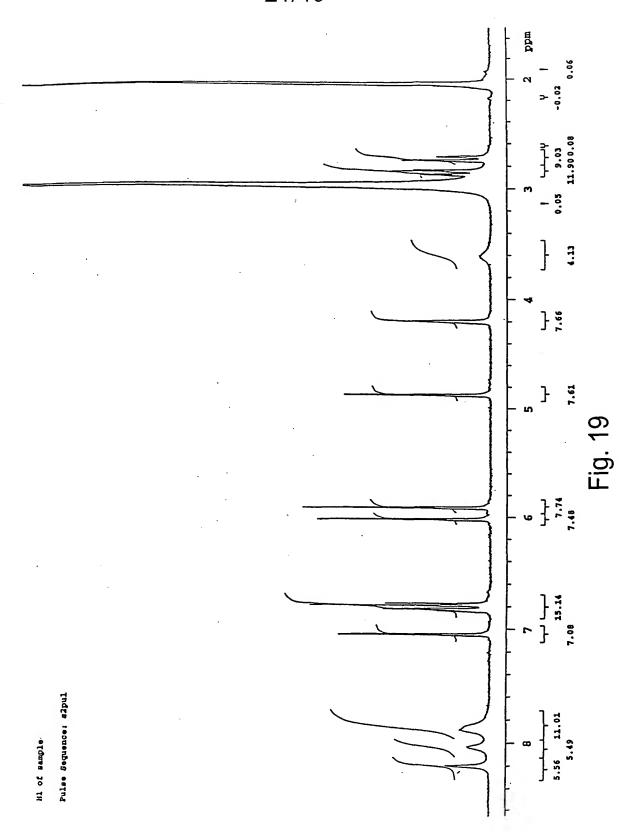
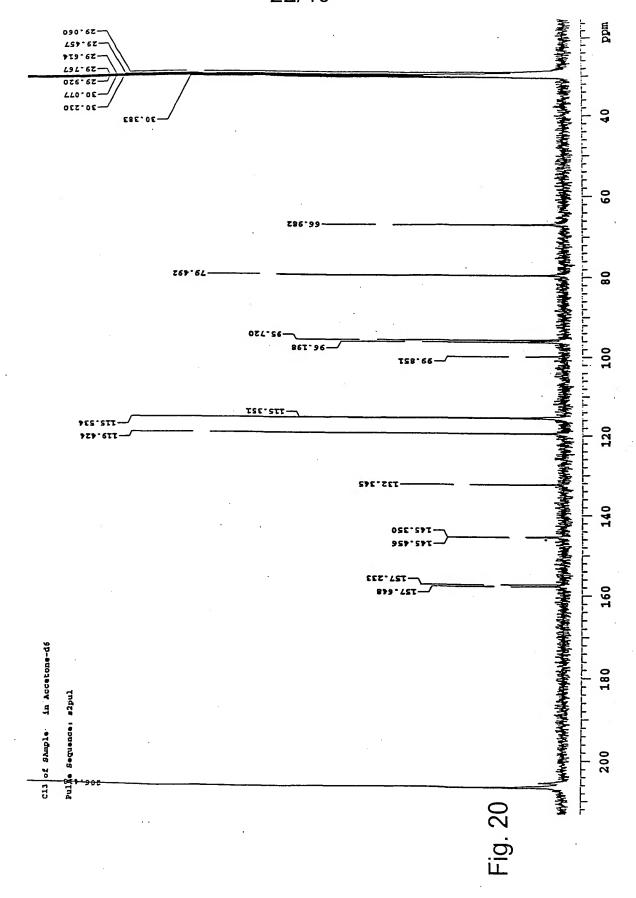
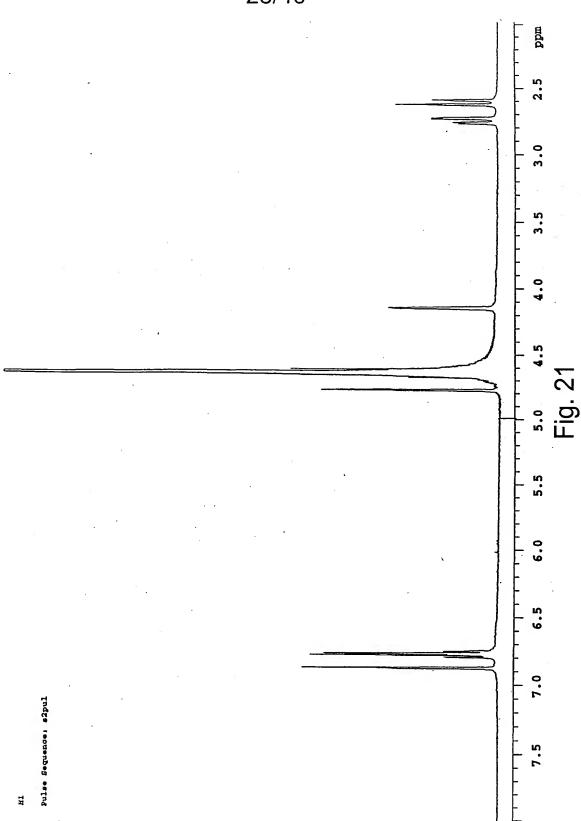
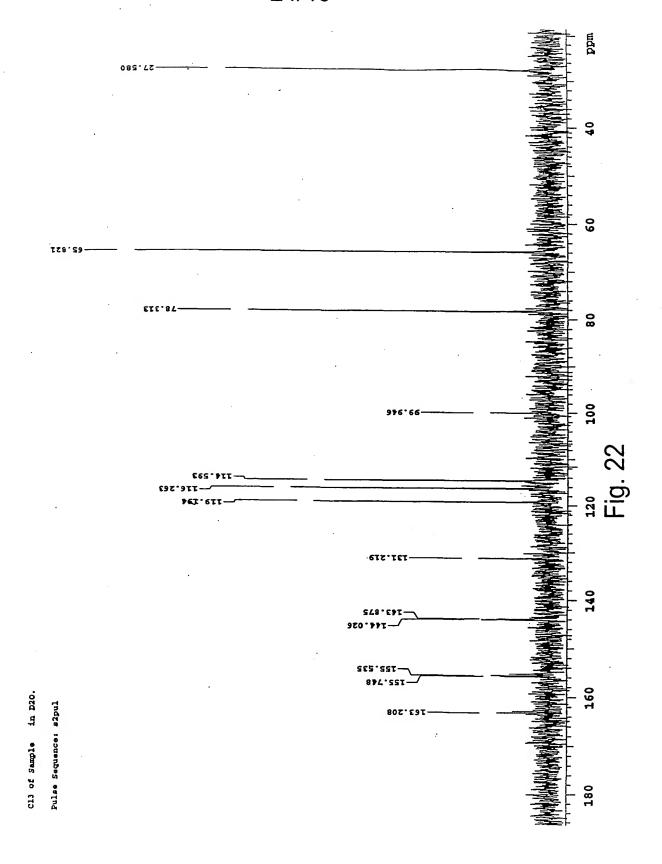


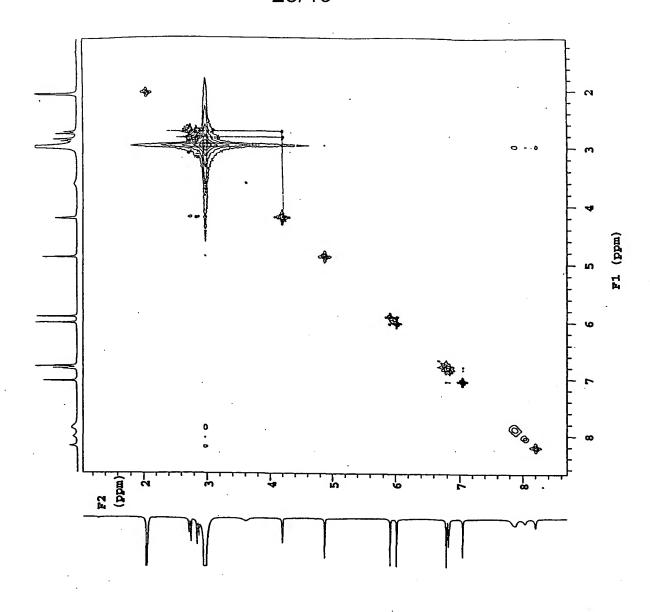
Fig. 18











159 increments OBSERVE H1, 499.8814428 MHE

16 repetitions

DATA PROCESSING

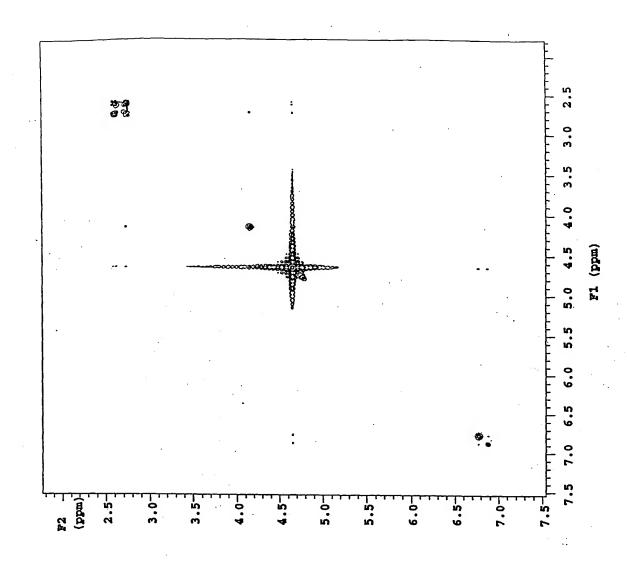
Pulse Sequence: relayh

COSY of Sample

Solvent: Acetone Ambient temperature UNITY-500 "nmx500" PULSE SEQUENCE: relayh

Acq. time 0.302 sed Width 3817.5 Hz 2D Width 3817.5 Hz F1 DATA PROCESSING Line broadening 0.3 Hz FT sixe 1024 x 1024 Total time 14 min, 12 sec

Fig. 23



Pulse Sequence: relayh

Solvent: D20 Ambient temperature UNITX-500 "nmr500"

8 repetitions 120 increments OBSERVE H1, 499.8801324 MHz DATA PROCESSING

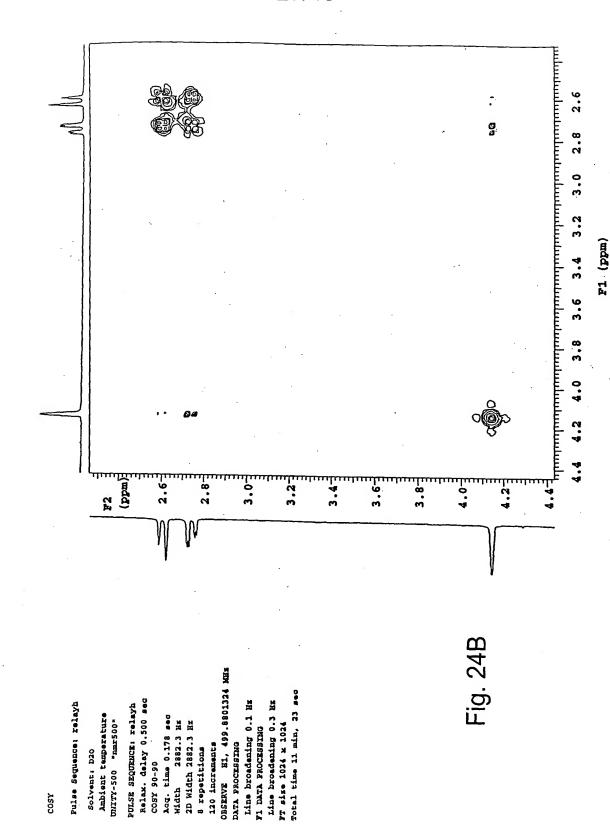
Line broadening 0.1 Hr FI DATA PROCESSING Line broadening 0.3 Hz Fr size 1024 x 1024

Relax. delay 0.500 sec COSY 90-90 Acg. time 0.178 sec Width 2882.3 Hz

Width 2882.3 Hz 2D Width 2882.3 Hz

PULSE SEQUENCE: relayh

Total time 11 min, 23 aed



COSY

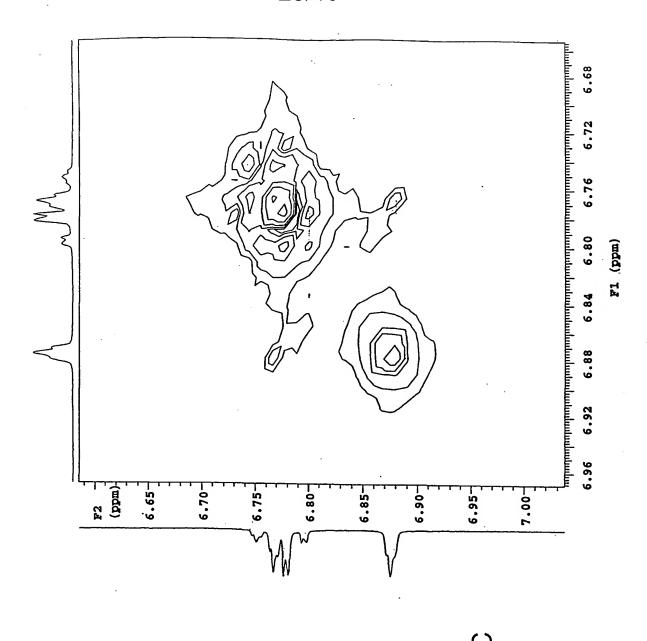


Fig. 24(

COSY

Pulse Sequence: relayh

Solvent: D20
Ambient temperature
UNITY-500 "nmx500"

Width 2882.3 Hz 2D Width 2882.3 Hz 8 repetitions 120 increments OBSERVE H1, 499.8801324 MHz

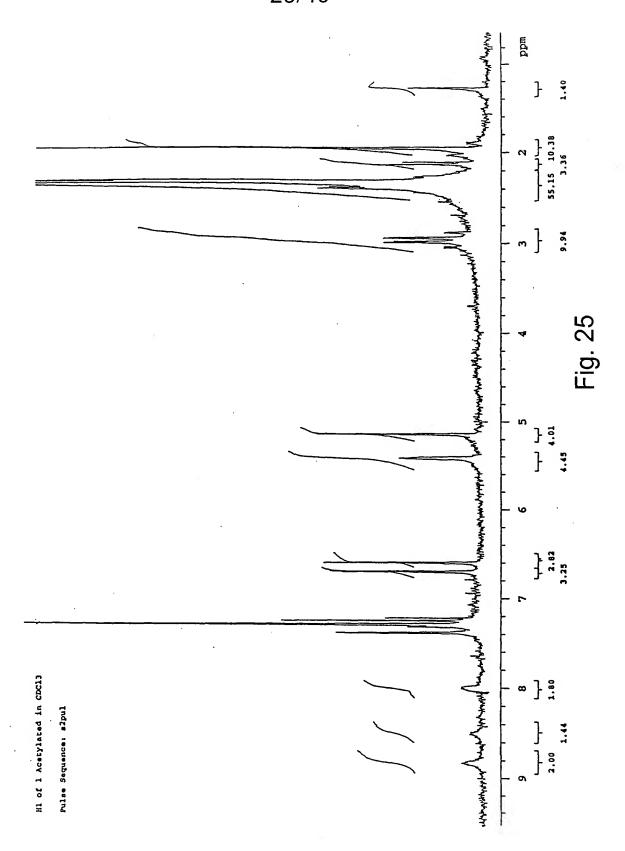
PULSE SEQUENCE: relayh Relax. delay 0.500 sed COSY 90-90

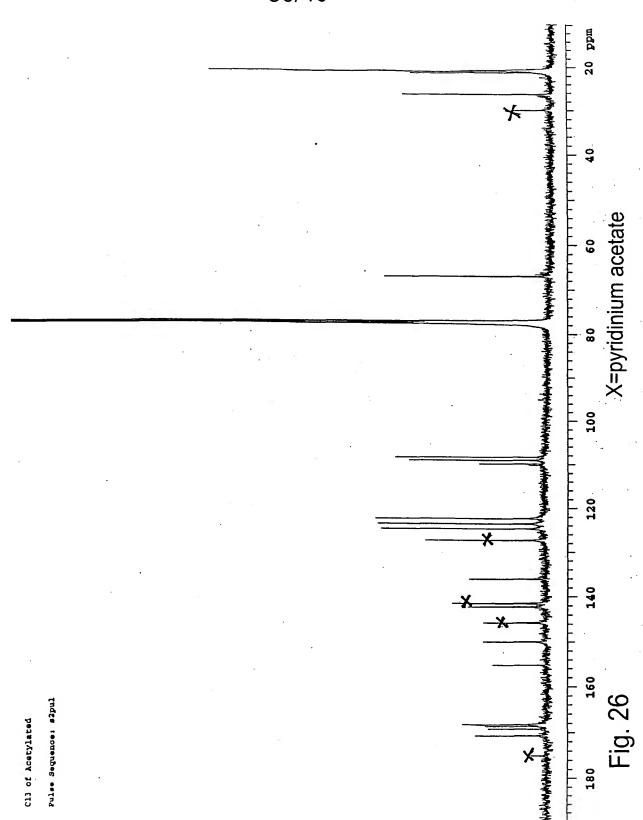
Acq. time 0.178 sec

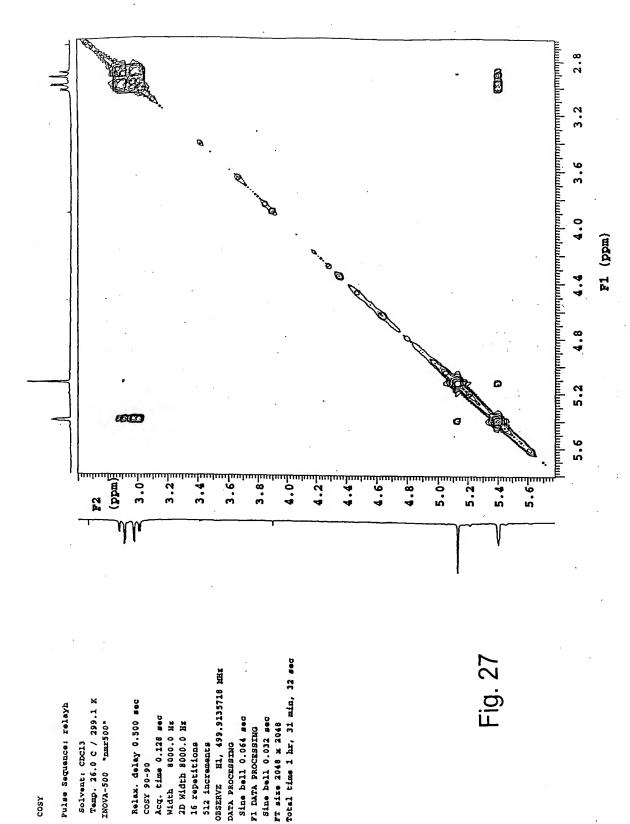
Fotal time 11 min, 23 sed

Line broadening 0.1 Ex F1 DATA PROCESSING Line broadening 0.3 Hr FT sixe 1024 x 1024

DATA PROCESSING







OBSERVE H1, 499.9135718 MHz

512 increments DATA PROCESSING

Sine bell 0.064 sed FI DATA PROCESSING

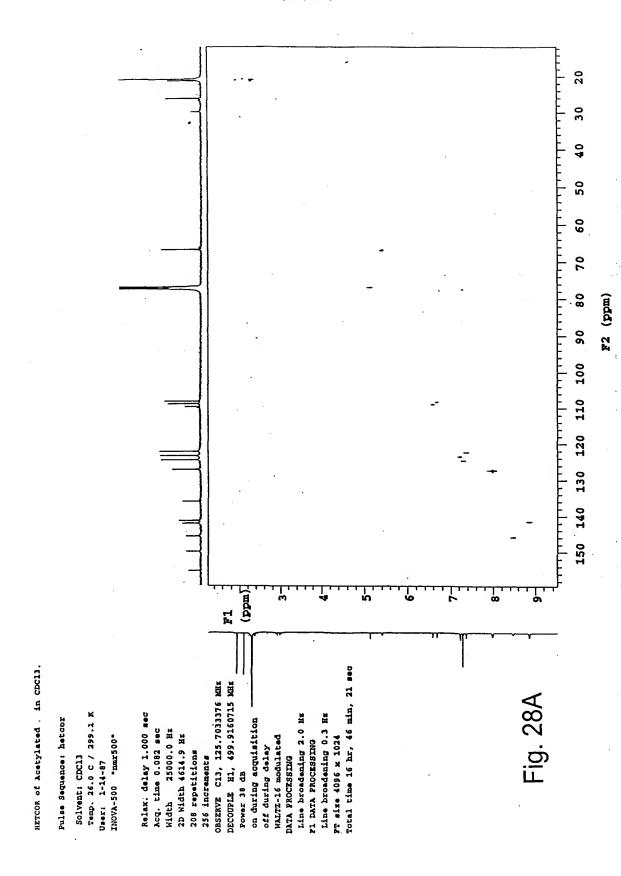
Solvent: CDC13 Temp. 26.0 C / 299.1 K INOVA-500 "nmx500"

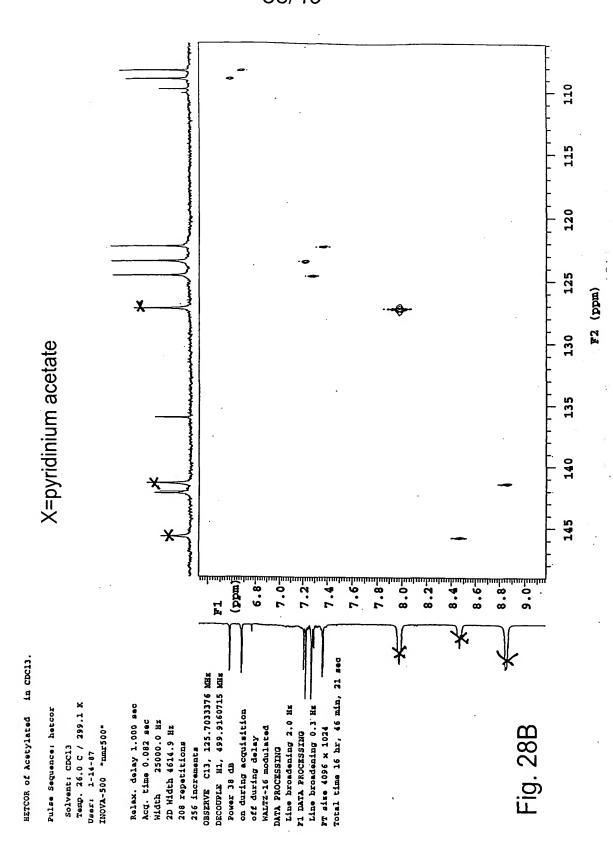
Pulse Sequence: relayh

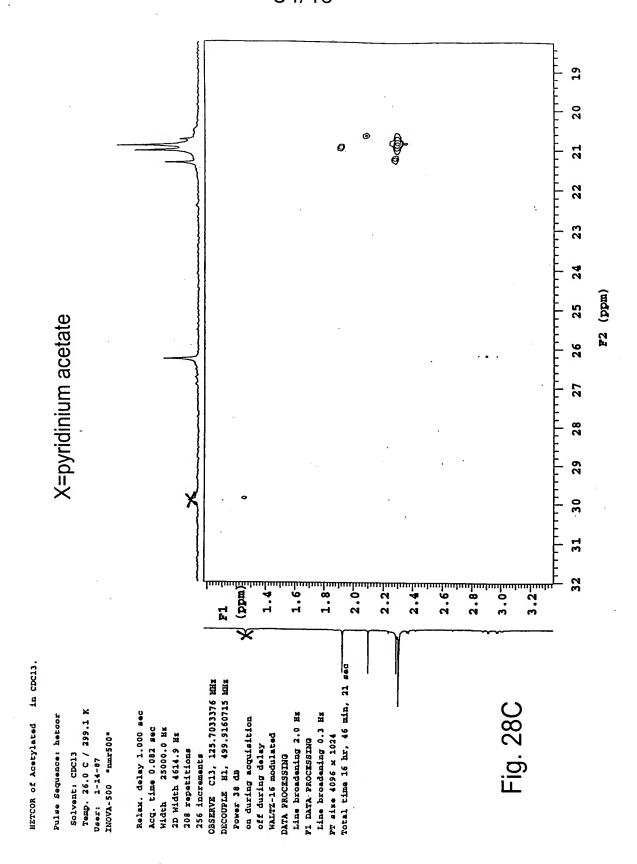
Relax. delay 0.500 sec COSY 90-90

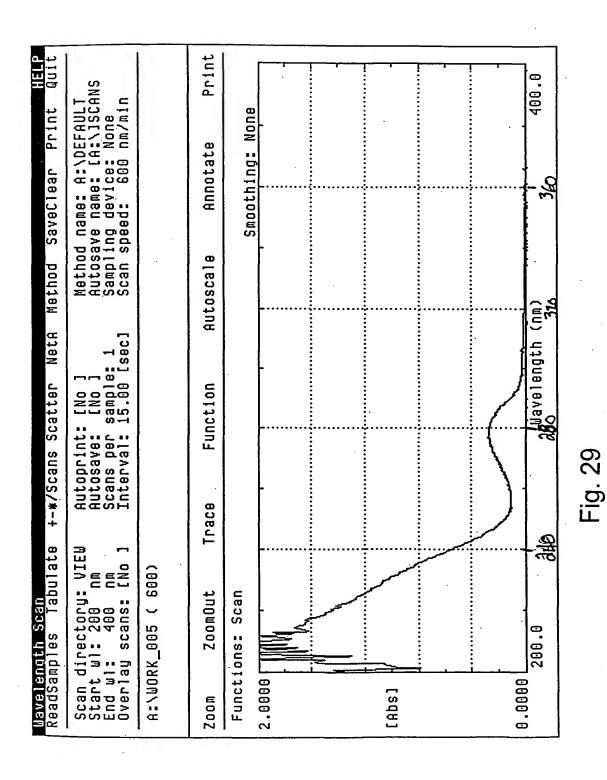
Acq. time 0.128 sec Width 8000.0 Hz 2D Width 8000.0 Hz 16 repetitions

Fig. 27









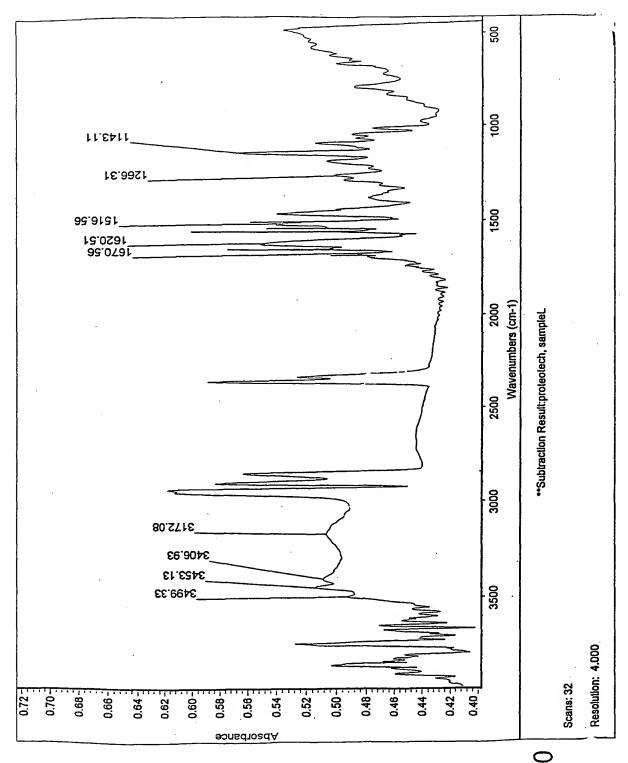
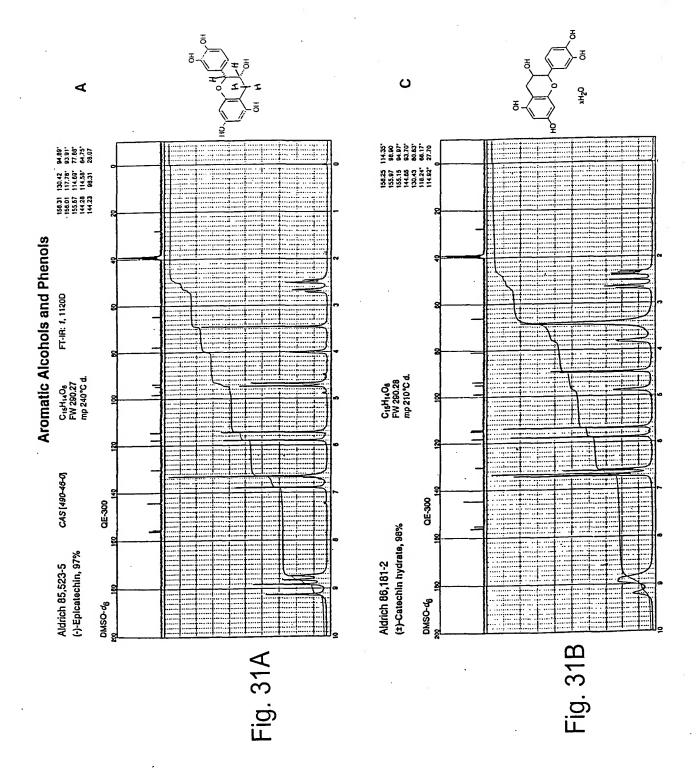
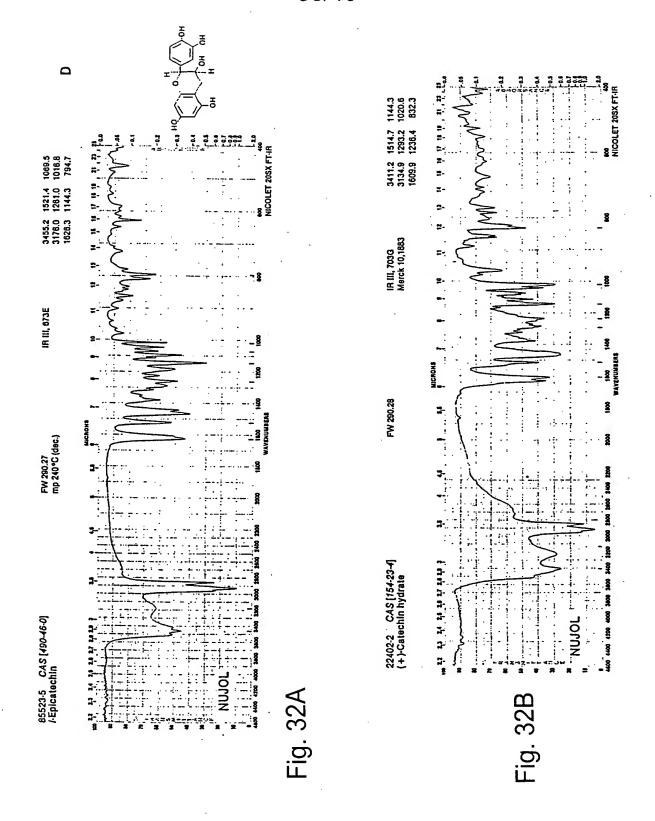


Fig. 3





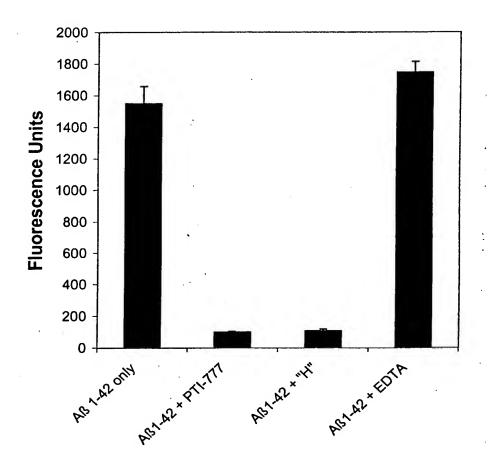


Fig. 33

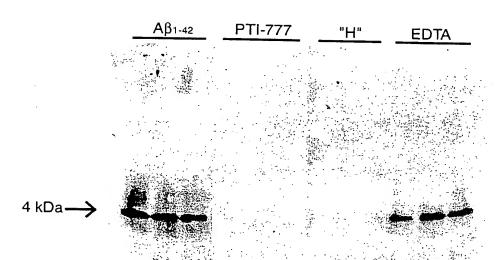


Fig. 34